Index of Claims

| Application No. | Applicant(s)  |
|-----------------|---------------|
| 10/807,174      | NAKATA ET AL. |
| Examiner        | Art Unit      |
| Hai Vo          | 1771          |

Rejected - (Through numeral)
Cancelled
+ Restricted

N Non-Elected

I Interference

A Appeal
O Objected

| Claim               | Τ         | _ |           | _        |           | D            | ate      | _        | •            |              | _            | ]      | CI   | eim      | Τ.                 |   |          |                     | ate      |          |         |              |         | CI   | aim        |  |                                     |                 |          | Date     | 9        |                 | _        |          |
|---------------------|-----------|---|-----------|----------|-----------|--------------|----------|----------|--------------|--------------|--------------|--------|--|----------|--------------------|---|----------|---------------------|----------|----------|---------|--------------|---------|--|------------|--|-------------------------------------|-----------------|----------|----------|----------|-----------------|----------|----------|
| <u> </u>            | Ti        | 0 | 3         | Г        | Π         | T            | П        |          |              | Γ            | Γ            |        |  | B        | Г                  |   |          |                     |          |          |         | П            |         |  | व          |  |                                     |                 |          |          |          |                 |          |          |
| . Final<br>Original | 1         | S | 5         |          | ı         | ı            | -        |          |              | l            |              |        | Final  | Original |                    | Ιí                                      |          |                     |          | - [      |         |              |         | Final  | Original   |  |                                     |                 |          |          |          |                 |          |          |
| i                   | Ι,        | " | ٥,        |          | ı         | ı            | -        |          |              | ŀ            |              |        | Œ  | 5        | İ                  |   |          |                     |          | -1       |         |              |         | 证  | ō          |  |                                     |                 |          |          |          |                 | ı        |          |
|                     | ┸         | _ | _         | _        | ╀         | 4            |          | 4        | _            | ├-           | ├-           |        | <u> </u>   |          | ╁                  | Н                                       | _        | $\dashv$            | $\dashv$ | +        | +       | ┿            |         | <b> </b>   |            | _  | Н                                   | Н               | _        | Н        | Н        | $\dashv$        |          | $\dashv$ |
| 1 2                 | +         | 4 | <u> </u>  | -        | ╀         | ╬            | -+       |          |              | ├            | ╁╌           |        |  | 51<br>52 | ╁                  | Н                                       |          | Н                   | $\dashv$ | +        | +       | ╀            |         | $\vdash$   | 101        | -  | Н                                   | -               | _        |          | -4       | $\dashv$        | ┥        | $\dashv$ |
| 3                   | +         | Н | ╁         | ⊢        | ╁         | ╁            | ┥        | -        | <u> </u>     | ⊢            | ╁            | ╢      |  | 53       | ╁                  | Н                                       |          | Н                   | 十        | +        | +       | ╁            |         | $\vdash$   | 103        | -  |                                     |                 | -        |          | Н        | $\dashv$        | $\dashv$ | $\dashv$ |
| 4                   | +         | Н | $\dagger$ | ┝        | ╁         | ╁            | ┪        | -        | <del> </del> | -            | ╁╴           | ł      | $\vdash$   | 54       | +-                 | Н                                       | Н        | $\vdash \dashv$     |          | ╅        | +-      | ╁╌           |         | $\vdash$   | 104        | -  | Н                                   |                 | -        |          | Н        | 1               | 7        | $\dashv$ |
| 5                   | +         | H | t         | -        | t         | 十            | 7        |          |              | ┝            | 1            | 1      | <u> </u>   | 55       | $\top$             | П                                       |          | Н                   | 7        | $\top$   |         | T            |         |  | 105        |  |                                     |                 |          |          |          |                 | ヿ        |          |
| 6                   | 1         | П | +         |          | T         | 十            | ┪        | _        |              | T            | T            | 1      |  | 56       | 1                  |   |          |                     | 7        |          | $\top$  |              |         |  | 106        |  |                                     | •               |          |          |          |                 | $\Box$   |          |
| 7                   | T         | 7 | V         |          | Ι         | ŀ            | ╗        |          |              |              |              | 1      |  | 57       |                    |   |          |                     |          | $\top$   | Т       | Г            |         |  | 107        |  |                                     |                 |          |          |          |                 |          |          |
| 8                   | I         |   |           |          | $\Gamma$  | $\mathbf{I}$ |          |          |              |              |              |        |  | 58       | L                  |   |          |                     | $\Box$   |          |         |              |         |  | 108        |  |                                     |                 |          |          | Щ        | $\Box$          | $\Box$   | $\Box$   |
| 9                   | 1         | _ |           | L        | 丄         | 1            | _        | _        | Ŀ            | <u> </u>     | _            |        | L  | 59       | ┸                  | Ц                                       |          |                     | _        | _        |         | _            |         | L  | 109        | <u> </u>   | Щ                                   |                 |          |          | Щ        | _               | _        | 二        |
| 10                  | 4         | _ |           | L        | Ļ         | 4            | 4        |          |              | ╙            | L            |        | <u> </u>   | 60       | 1_                 |   |          | $\sqcup$            | 4        | 4        | _       | <del> </del> |         | <u> </u>   | 110        | L  | L                                   | $\vdash$        |          |          | Н        |                 | _        | $\dashv$ |
| 11                  | 4         | 4 |           | ᆫ        | 4         | 4            | 4        | _        | _            | ⊢            | ـــ          |        |  | 61       | +                  | $\vdash$                                |          | $\sqcup$            |          | -        | -       | ┼            |         | <b> </b>   | 111        | <u> </u>   | $\vdash$                            |                 |          | Щ        | Н        | $\vdash$        | -        | _        |
| 12                  |           | 4 |           | $\vdash$ | +         | +            | +        | -        | _            | ├-           | ├-           |        | <u> </u>   | 62       | ╄                  | Н                                       |          | $\vdash \vdash$     | -+       | +        | +       | ╀            |         | $\vdash$   | 112        |  | $\vdash$                            | Щ               |          | _        | $\vdash$ | $\dashv$        | $\dashv$ |          |
| 13                  |           | - |           | -        | ╀         | +            | -        | $\dashv$ |              | ╁            | ⊢            |        | <del> </del>                                     | 63<br>64 | ╀                  |   | -        | $\vdash$            | $\dashv$ | +        | +       | ╁            |         |  | 113<br>114 | H  | -                                   |                 |          | Н        | $\vdash$ |                 | -        | $\dashv$ |
| 15                  |           | ┥ |           | ⊢        | +         | +            | ┪        | -        | H            | $\vdash$     | $\vdash$     | ı      | <del> </del>                                     | 65       | ╁                  | H                                       | $\vdash$ | $\vdash \vdash$     | $\dashv$ | ╅        | +       | +            |         | <del>                                     </del>   | 115        | $\vdash$   | $\vdash$                            | $\vdash$        | $\vdash$ | Н        | Н        | $\vdash \vdash$ | $\dashv$ | $\dashv$ |
| 16                  |           | ┪ | -         | $\vdash$ | +         | +            | $\dashv$ | $\dashv$ |              | $\vdash$     | $\vdash$     | 1      |  | 66       | +                  | $\vdash$                                | -        |                     | -        | +        | +       | $\vdash$     |         | <del>                                     </del>   | 116        | $\vdash$   |                                     | Н               | Н        | Н        | Н        |                 | ᅥ        | $\dashv$ |
| 17                  | $\dagger$ | 7 |           | Т        | t         | †            | 7        | 7        | -            | T            | T            | ۱      | ·  | 67       | T                  | Н                                       |          | H                   | $\dashv$ | $\dashv$ | +       | T            |         |  | 117        | <del>                                     </del> | $\vdash$                            | П               |          | Н        | Н        | $\Box$          | $\dashv$ | $\dashv$ |
| 18                  | T         | 7 |           | Г        | T         | †            | ╛        |          | ·            | Т            | T            | ۱      |  | 68       | $\top$             | П                                       |          |                     |          | $\top$   |         | 1            |         |  | 118        |  |                                     |                 |          |          |          |                 | コ        |          |
| 19                  |           |   |           |          |           | T            | $\Box$   |          |              |              |              | 1      |  | 69       | 1                  |   |          |                     |          |          |         |              |         |  | 119        |  |                                     |                 |          |          |          |                 |          |          |
| 20                  | $\perp$   |   |           |          | I         | Ι            |          |          |              |              |              |        |  | 70       |                    | Ш                                       |          |                     |          |          |         | $oxed{oxed}$ |         |  | 120        |  |                                     |                 |          |          |          | Ŀ               |          |          |
| 21                  |           | _ |           | L        | $\perp$   | 4            | $\perp$  |          |              | L            | L            |        |  | 71       | ╀                  | Ш                                       |          | Щ                   | _        | $\perp$  |         | ┖            |         | <u> </u>   | 121        |  | Ш                                   |                 |          | Ш        |          | Ц               | _        |          |
| 22                  |           | _ |           | L        | 1         | 4            | 4        | _        | _            | L            | L            |        | <u> </u>   | 72       | ╀-                 | Щ                                       |          | Ш                   | _        | 4        | 4       | ↓_           |         | <u> </u>   | 122        | Ļ_   |                                     |                 |          |          |          |                 | $\dashv$ | 4        |
| 23                  | +         | 4 | _         | <u> </u> | ╀         | +            | $\dashv$ | _        | _            | ┡            | ┞            | ł      | <b> </b>   | 73       | ↓_                 | H                                       |          |                     | -        | +        |         | ╄-           |         | ├  | 123        | <u> </u>   | ┞                                   | Н               |          | Н        | Н        | Н               | 4        | $\dashv$ |
| 24                  |           |   | _         | ┝        | ╀         | +            | $\dashv$ | -        | -            | -            | ⊬            | ł      | <u> </u>   | 74       | ╀                  | H                                       |          | Н                   | $\dashv$ | +        | +       | ╀            |         | ├  | 124<br>125 | ├  | -                                   | -               |          | Н        | Н        | $\vdash$        | $\dashv$ | $\dashv$ |
| 25<br>26            |           | ᅱ |           | ┝        | ╀         | ╬            | $\dashv$ |          |              | ⊢            | ⊢            | ┨Ш     | ⊢  | 75<br>76 | ╁                  | -                                       |          | Н                   | $\dashv$ | +        |         | ┿            |         | <b> </b>   | 126        | -  | -                                   |                 |          | Н        | Н        | Н               | $\dashv$ | $\dashv$ |
| 27                  | ╁         | ┥ | _         | ┝        | ╁         | +            | +        | $\dashv$ | _            | ┢            | ╁            | ┨      |  | 77       | ╫                  | $\vdash$                                |          | H                   | -        | ┿        | +       | ╁            |         | <del></del>  | 127        | ┢  | $\vdash$                            |                 |          |          | Н        | H               | -        | $\dashv$ |
| 28                  | +         | ┪ |           | ┢        | ╁         | ┿            | 7        | ᅱ        |              | ╁            | ╁╌           | ╁      | <del>                                     </del> | 78       | +                  | Н                                       |          | $\vdash$            | $\dashv$ | $\top$   | +       | ╁            |         | ┢═   | 128        | ┢  | Н                                   |                 |          |          | Н        | Н               | $\dashv$ | $\dashv$ |
| 29                  | T         | 7 | _         | 1        | T         | +            | 7        | $\neg$   |              | T            | T            | 1      | $\vdash$   | 79       | 十                  |   |          |                     | 寸        | _        | 1       | 1            |         | <b>-</b>   | 129        |  | $\vdash$                            | _               | _        |          |          |                 |          | $\neg$   |
| 30                  | Ť         | ┪ |           | Г        | T         | T            |          |          |              | $\Box$       |              | 1      |  | 80       |                    |   |          |                     |          |          |         | T            |         |  | 130        |  |                                     |                 |          |          |          |                 |          |          |
| 31                  | Ι         |   |           |          |           | Ι            | $\Box$   |          |              | $\prod$      |              |        |  | 81       | $oxed{\mathbb{L}}$ |   |          |                     | $\Box$   | $\perp$  |         | oxdot        |         |  | 131        |  |                                     |                 |          |          |          |                 | $\Box$   |          |
| 32                  | ╀         | 4 |           | L        | Ļ         | 1            | 4        | _        |              | 上            | L            |        |  | 82       | ╄                  | Ш                                       |          | 1                   | _        | 4        | 4       | ┺            |         |  | 132        | L_   | Ш                                   |                 |          | ·        |          |                 | _        | $\dashv$ |
| 33                  | 4         | 4 |           | <u> </u> | Ļ         | 4            | 4        | _        |              | <u> </u>     | <u> </u>     | l      | <u></u>  | 83       | ╄-                 | Ш                                       |          |                     | _        | 4        | 4       | 1_           |         | <u> </u>   | 133        | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |                 |          |          |          | Н               |          | ႕        |
| 34                  | +         | 4 |           | <u> </u> | +         | +            | -        | -        |              | ⊢            | -            |        | ⊢  | 84       | +                  | Н                                       |          | $\vdash \downarrow$ |          |          | +-      | +            |         | <u> </u>   | 134        | -  | -                                   | Щ               | _        | щ        | Н        | $\vdash$        | -        | $\dashv$ |
| 35                  | +         | 4 |           | _        | ╀         | +            | +        | -        |              | ┝            | ⊢            |        | <b>-</b>   | 85<br>86 | +                  | Н                                       | Н        | $\vdash \vdash$     | -        | +        | +       | ╀            |         | ├—   | 135<br>136 | -  | $\vdash$                            |                 | -        |          | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$ |
| 37                  | ╁         | ┨ |           | ⊢        | ╁         | +            | $\dashv$ | $\dashv$ | _            | ╁            | ⊢            |        | $\vdash$   | 87       | +-                 | Н                                       |          | $\vdash$            | -+       | -+-      | +       | ╀            |         | <del> </del> -                                     | 137        | $\vdash$   | H                                   | Н               | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$        | -1       | $\dashv$ |
| 38                  | +         | ┪ |           | -        | +         | +            | $\dashv$ | ᅥ        | _            | $\vdash$     | 1-           | ı      | $\vdash$   | 88       | +                  | $\vdash$                                |          | $\vdash$            | -+       | +        | +-      | +-           |         | <del>                                     </del>   | 138        |  | H                                   | Н               |          |          | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ |
| 39                  | t         | 7 | _         | _        | $\dagger$ | $\dagger$    | $\dashv$ |          |              | T            | t            |        |  | 89       | +                  | Н                                       | Н        | $\vdash$            | 7        | 十        | +       | 1            |         |  | 139        |  |                                     | $\vdash$        |          |          |          | $\vdash$        | $\dashv$ | $\dashv$ |
| 40                  | +         | 7 |           | -        | T         | $\dagger$    | $\dashv$ |          |              | Г            | <u> </u>     |        |  | 90       | †                  | П                                       | Н        | $\Box$              | 一        | $\dashv$ | +       | T            |         |  | 140        |  |                                     | М               |          |          |          |                 | $\neg$   | $\neg$   |
| 41                  | T         | 1 |           |          | T         | 1            | 7        |          |              | Г            | Г            |        |  | 91       |                    | П                                       |          |                     | ⇉        | 丁        | $\perp$ | Т            |         |  | 141        |  |                                     |                 |          |          |          |                 | $\Box$   |          |
| 42                  |           |   |           |          | Ι         | I            |          |          |              |              | Ľ            |        |  | 92       |                    |   |          |                     | $\Box$   | I        |         | oxdot        |         |  | 142        |  |                                     |                 |          |          |          |                 | $\Box$   |          |
| 43                  |           | 1 |           | L        | L         | Ţ            | $\Box$   |          |              |              |              |        |  | 93       |                    |   |          |                     | $\beth$  |          | $\bot$  | 匚            |         |  | 143        |  |                                     |                 |          |          |          |                 |          |          |
| 44                  |           | 4 |           | Ľ        | L         | 1            | 4        | 4        |              | L            | L            |        | <u> </u>   | 94       | _                  | Ш                                       | Ц        | $\sqcup$            | _[       | _        | 1       | <u> </u>     |         | <u> </u>   | 144        | <u> </u>   | الل                                 | Ш               |          | Ц        |          | $\sqcup$        | ᆚ        | ᅵ        |
| 45                  |           | 4 | _         | <u>_</u> | 1         | 4            | 4        | 4        |              | ╙            | <del> </del> |        | <u> </u>   | 95       |                    | Ш                                       | _        | $\sqcup$            | _        | 4        | 4-      | 4            |         |  | 145        | <b> </b>   | Ш                                   | <u> </u>        |          | Щ        | Щ        | $\sqcup$        | _        | _        |
| 46                  |           | 4 |           | _        | +         | +            | 4        | 4        | _            | $\vdash$     | $\vdash$     |        |  | 96       | ┼                  | $\vdash$                                | _        |                     |          | 4        |         | +            |         | <u> </u>   | 146        | $\vdash$   | Ы                                   | $\vdash \vdash$ | $\vdash$ | Щ        | Щ        | ┝╌┩             |          | $\dashv$ |
| 47                  |           | 4 | _         | —        | ╀         | +            | +        | 4        | _            | -            | -            |        |  | 97<br>98 |                    | $\vdash$                                | Ч        |                     | -+       | +        | +       | ╀╌           |         | <del> </del>                                       | 147        | -  | $\vdash$                            | Н               | щ        |          | Н        | $\vdash$        |          | $\dashv$ |
| 49                  |           | + | _         | <b>-</b> | ╁         | +            | +        |          |              | <del>[</del> | -            |        |  | 99       |                    | $\vdash$                                | $\dashv$ | $\vdash$            | $\dashv$ | +        | +-      | ╁            |         | <del>  -                                    </del> | 148<br>149 | -  | $\vdash$                            | Н               | _        | Н        | -        | $\vdash$        | $\dashv$ | $\dashv$ |
| 50                  | +         | ┪ |           | $\vdash$ | +         | $\dagger$    | +        | $\dashv$ |              | -            | $\vdash$     |        |  | 100      | +                  | $\vdash$                                | $\dashv$ | $\vdash$            | -+       | +        | +       | ╁            |         |  | 150        | $\vdash$   | H                                   | Н               | -        |          | Н        | ⊢┤              | $\dashv$ | $\dashv$ |
|                     | ┸         |   |           | _        | ٠.        | ┸            | ᆚ        |          |              | Щ.           | <b>L_</b>    | ]::::: | Щ.   | 1,00     |                    | لــــــــــــــــــــــــــــــــــــــ |          | لنـا                |          | L_       |         | Щ.           | J:::::: |  | 130        | L.   | Щ                                   | ш               | لبا      | ш        | لبا      | ш               |          |          |